

Application No.: 10/767,743Docket No.: 713-1009

ABSTRACT

A grommet of plastic material adapted to be inserted into an opening of a sheet like support member, with the opening deviating from a circle, the grommet comprising a shank having an inner axial receiving bore for an element having an outer thread and snapping means on the outer circumference which snappingly cooperate with an edge of the receiving opening, a flange shaped head portion at one end of the shank having a passage connected to the receiving bore, the flange shaped head being adapted to sealingly engage the facing surface of the support member if the shank is snappingly inserted into the receiving opening, with the shank adjacent to the head on the outer circumference has an approximately radial shoulder at least on diametrically opposing sides, with the contour of the opening and the cross section of the shank being designed such that the shank may be rotated about a limited angle about its longitudinal axis in the opening whereby the shoulders grip below the edge of the receiving opening of the support member, the edge of the opening clampingly cooperate with outer surface portions of the shank between the shoulder and the head, wherein the outer surface portions (34) are inclined towards the head portion relative to the longitudinal axis such that upon rotation the shank is increasingly drawn into the opening.

A grommet for an opening of a sheet member includes a shank, a head and at least a flexible locking tab. The shank includes, in a region adjacent the head and outside the locking tab, a shoulder to be placed below an edge of the opening when the shank is rotated an angle about the axis of the opening after being inserted therein. The shoulder and the locking tab prevent withdrawal of the grommet from the opening. The shank further includes an inclined outer surface section connecting the shoulder and the lower surface of the head. The inclined outer surface section engages the edge of the opening and draws the shank into the opening upon rotation of the shank.